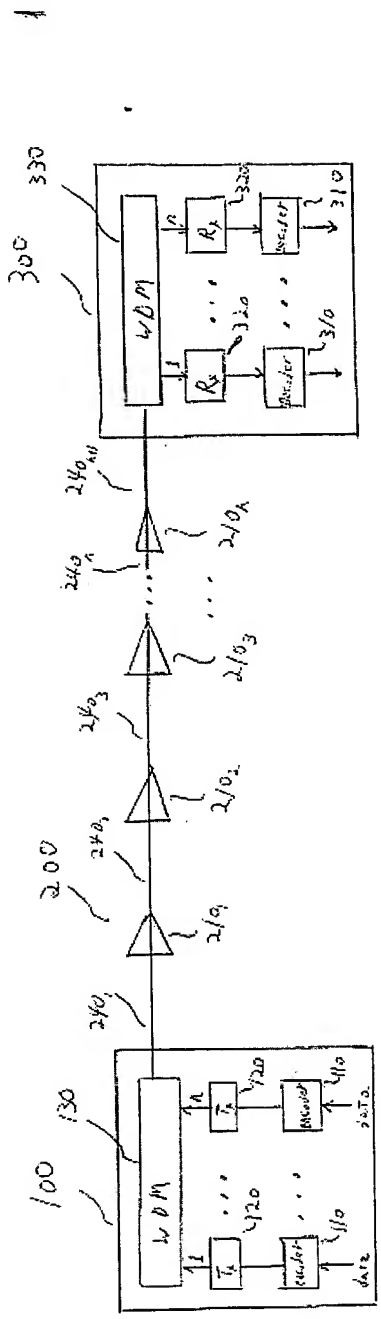

Fig. 1

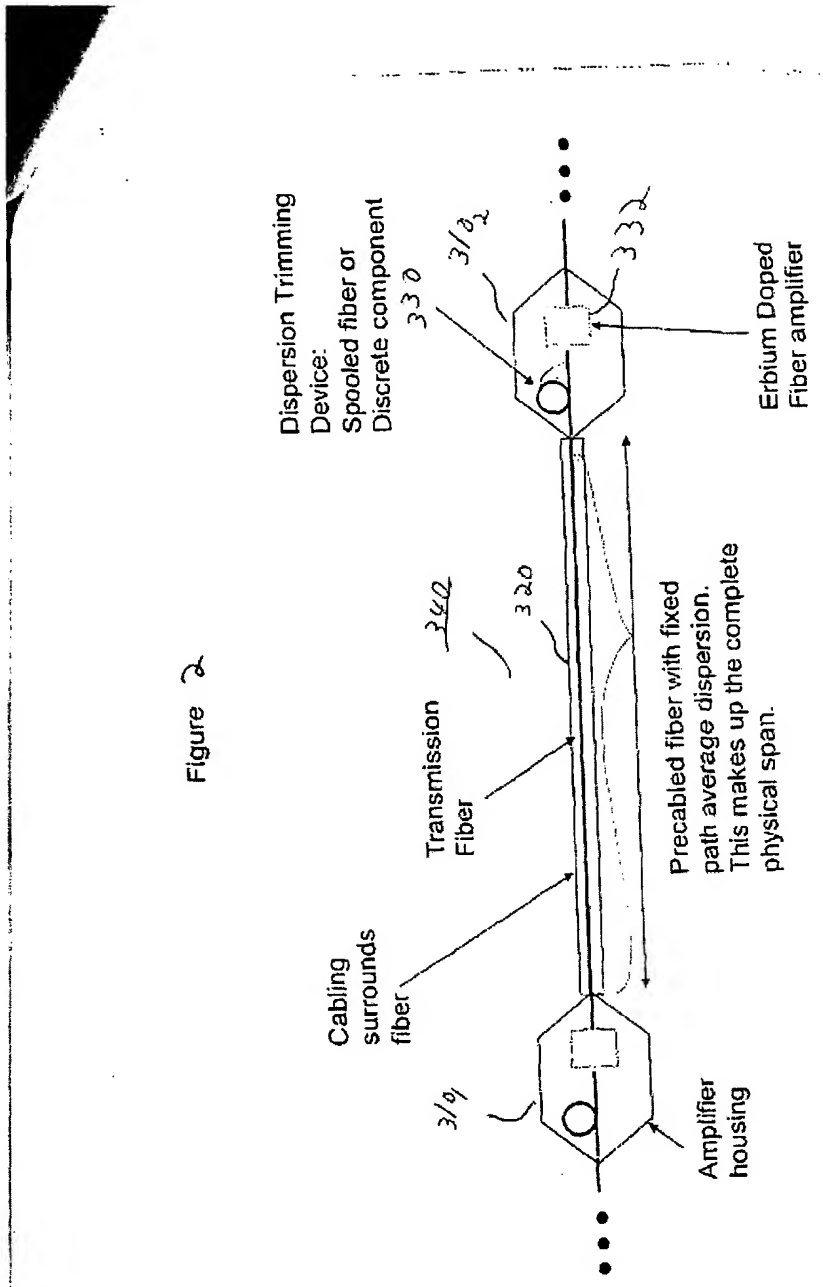
Dispersion Trimming Device: Spooled fiber or Discrete component
330
Erbium Doped Fiber amplifier
Transmission Fiber
340
320
Precabled fiber with fixed path average dispersion. This makes up the complete physical span.
Cabling surrounds fiber
Amplifier housing
310

Figure 2

Figure 3

Where D_{trim} is the group delay (ps/nm) of a discrete device

Note: L_2 can be 0

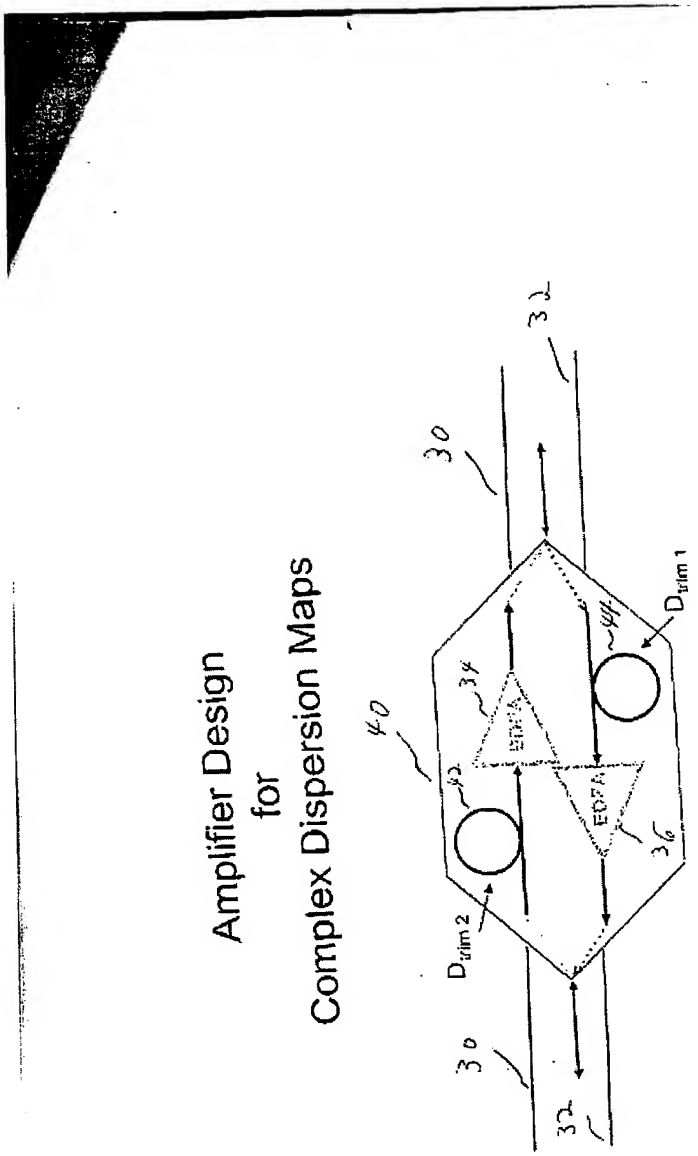
Amplifier Design
for
Complex Dispersion Maps
30
32
40
42
34
EDFA
EDFA
36
$D_{trim\ 1}$
$D_{trim\ 2}$

Figure 4